

Title (en)
VALVE FOR A SYSTEM HAVING A HEAT CARRYING MEDIUM

Title (de)
VENTIL FÜR EIN WÄRMETRÄGERSYSTEM

Title (fr)
VANNE POUR SYSTEME A MILIEU CALOPORTEUR

Publication
EP 0783643 B1 20050720 (EN)

Application
EP 95930416 A 19950919

Priority
• DK 9500374 W 19950919
• DK 109994 A 19940923

Abstract (en)
[origin: US5860591A] Energy exchanger, valve (8) with thermostat valve (12), a housing (9) with inlet (15) and outlet (16), a thermostat bellows displaceable spindle (42) with a seal (32) which, against the pressure of a spring (43) surrounding the spindle (42), closes/opens an opening (28) in a transverse wall (29) in the housing (9) between the inlet (15) and the outlet (16), and a membrane (17, 21) controlled by the differential pressure for the control of an energy-carrying medium between the inlet (15) and the outlet (16), and an adjustable closing element (11) between the inlet (15) and the membrane (17, 21), the thermostat valve (12) being able to shut off the flow between the inlet (15) and the outlet (16) independently of the closing element (11). With the valve (8), only a predetermined maximum amount of the medium flows through the energy exchangers (5). If the differential pressure increases upon the closing of one or more valves on a pipe length, the flow in the individual energy exchanger (5) is not increased.

IPC 1-7
F16K 31/126; G05D 23/12

IPC 8 full level
G05D 23/12 (2006.01)

CPC (source: EP US)
G05D 7/0106 (2013.01 - EP US); **G05D 23/125** (2013.01 - EP US)

Cited by
US10365664B2

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IE IT LI NL PT SE

DOCDB simple family (publication)
US 5860591 A 19990119; AT E300008 T1 20050815; AU 3513895 A 19960409; DE 69534321 D1 20050825; DE 69534321 T2 20060524; DK 109994 A 19960324; DK 171688 B1 19970310; EP 0783643 A1 19970716; EP 0783643 B1 20050720; EP 0783643 B9 20060118; WO 9609485 A1 19960328

DOCDB simple family (application)
US 82184297 A 19970321; AT 95930416 T 19950919; AU 3513895 A 19950919; DE 69534321 T 19950919; DK 109994 A 19940923; DK 9500374 W 19950919; EP 95930416 A 19950919